

(Practice Packet)

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In his field, he's known for a kind of diagram bearing his name and for the concept of sum-over-histories. To the general public, he's better known as the subject of Ralph Leighton's *Tuva or Bust!* and James Gleick's new biography, *Genius*. FTP, name this wise-cracking, safe-cracking, iconoclastic Nobel-prize-winning physicist.

Richard Feynman

This character has starred in over 25 novels. One, *Colonel Sun*, was written by Robert Markham. Many more, including *The Man from Barbarossa*, *Brokenclaw*, *Role of Honor*, and *License Renewed*, were written by John Gardner. FTP, name this character who first starred in *Casino Royale*.

James Bond

She began her journalism career at *Newsweek* and subsequently moved to the *New York Post*. She later moved into film and wrote the screenplays for *Silkwood* and *Heartburn*. Last year she directed her first film, *This is My Life*. FTP, name this writer known for her book *Wallflower at the Orgy* and her screenplay for *When Harry Met Sally*.

Nora Ephron

In 1896, this French chemist happened to place photographic film in a drawer near a sample of uranium ore. He was surprised to see that the film became exposed, and eventually traced the cause to penetrating rays given off by the ore. F30p, name this discoverer of radioactivity who shared the 1903 Nobel Prize in Physics with the Curies.

Henri Becquerel

Two answers required: They make for an unlikely pair of collaborators, but collaborate they did, first on *1000 Airplanes on the Roof*, and again recently with the opera *The Voyage*, celebrating Columbus's voyage to America. FTP, name these two men—one a Tony-winning playwright, the other an minimalist composer.

David Henry Hwang, Philip Glass

His newest book, *Eight Little Piggies*, collects the latest of a series of essays in natural history that he promises to continue until the new millennium. His other collections include *Bully for Brontosaurus*, *The Panda's Thumb*, and *Ever Since Darwin*. FTP, name this Harvard paleontologist and writer.

Stephen Jay Gould

[unused] Two answers needed: We're looking for two universities. Any good College Bowler should know the locations of the Ivy League universities. But FTP, which two schools are located in cities bearing

Greek names?

Cornell, University of Pennsylvania

For many years, a battle has raged concerning priority for its discovery. A recent decision concluded that Dr. Luc Montagnier of the French Pasteur Institute had been the first to isolate it, and that Dr. Robert Gallo of the National Cancer Institute had acted improperly in claiming priority for his specimen. FTP, name this organism.

AIDS virus or HIV

"The Orchestra," "The Young Housewife," "Landscape with the Fall of Icarus," "This is just to say," "Paterson," and "The Red Wheelbarrow"-these are all poems by, FTP, what 20-century American writer?

William Carlos Williams

The Best Picture Oscar winners for 1961, T64, T65, and T68 were unique among the Best Picture winners of the 1960s, and all others since. FTP, these four films all belonged to what genre?

musical

He had two other 20-win seasons, 21-9 in 1983 and 22-6 in 1985, but he's best remembered for his landmark season in which he started the final game of season to help clinch the pennant, posted a 1.74 ERA, and won 25 games while losing only 3. FTP, name this 1978 Cy Young award winner nicknamed "Louisiana Lightning."

Ron Guidry

Mary Debenham, Antonio Foscarelli, Hector MacQueen, Cyrus Hardman, Hildegard Schmidt, Colonel Arbuthnot, and Princess Dragomiroff were all murderers. FTP, they were all passengers on a famous train in what mystery by Agatha Christie?

Murder on the Orient Express

Its members are Hank Dutt, John Sherba, David Harrington, and Joan Jeanrenaud. Its repertoire ranges from works by Medieval composer Thomas Tallis, to Ives and Shostakovich, premieres by Steve Reich and Philip Glass, and even Jimi Hendrix's "Purple Haze". FTP, name this ensemble.

Kronos Quartet

They may sound like new Crayola colors, but indigo carmine, methyl red, alizarin yellow, methyl orange, and bromthymol blue are not crayons, but compounds you probably encountered in high school chemistry. FTP, what is the name given to these and other substances such as phenolphthalein and litmus paper that are used to determine pH?

indicators

Born in 1850, he was Professor of Chemistry at the Paris School of Mines. Trained as a mining engineer, he is best remembered for the principle bearing his name: If a system at equilibrium is disturbed, it shifts to offset the disturbing factor until a new equilibrium is reached. FTP, name this Frenchman.

Henri Le Chatelier

The Delta Aquarids in July, the Quadrantids in January, the Leonids in November, the Orionids in October, and the Perseids in August-FTP, these are all examples of what annual astronomical phenomenon?

meteor showers

Born in London in 1959, he received his PhD in theoretical physics in 1979, and won a MacArthur Fellowship two years later. He pioneered cellular automata models and is a key figure in the field of complex systems. FTP, name this man whose early work on the SMP computer algebra system became the forerunner of the revolutionary Mathematica system.

Stephen Wolfram

The name sounds the same: a logic-based computer programming language; and the short time-trial that opens the Tour de France. FTP, what is this word that usually refers to an introduction part of a book?

prolog or prologue

The name's the same: the author of the 1959 book Zen and Japanese Culture, who was primarily responsible for popularizing Zen Buddhism in the West; the name of a Japanese motorcycle manufacturer; and the name of a method of teaching violin to children. FTP, what is this name?

Suzuki

He published A New System of Chemical Philosophy in two parts in 1808 and 1810, in which he postulated that all matter consists of indivisible particles called atoms; that atoms of a given element are identical whereas atoms of different elements are different; and that chemical changes result from the combination of atoms of different elements. FTP, name this Englishman.

John Dalton

When gas in a tube carries current, it glows. 19th century physicists investigating this phenomenon concluded that the glow was caused by rays coming from the negative pole in the tube, which led to the naming of these rays. FTP, what is this name that is retained today in the terminology of computer monitors?

cathode rays

The people who answered his ad thought they were being recruited for a study of memory and learning at Yale. The subjects were asked to administer increasing electric shocks to a "victim" to see if it would aid his learning ability. In reality, there were no shocks, and what was being tested was the subjects' willingness to follow orders. FTP, name the man who performed this 1963 psychology experiment, "Behavioral Study of Obedience".

Stanley Milgram

Director of the Leiden Observatory from 1945 to 1970 and one of the first to realize the potential of radio astronomy, this Dutchman died in November 1992. At the age of 27, he co-discovered that our galaxy rotates. He considered his work on comets just a sidelight, but it is for this work that he is best remembered. FTP, name this man who predicted the existence of a distant cloud of solar-system comets that is named for him.

Jan Oort

Janis on bass, Zoot on sax, Floyd Pepper on guitar, Dr. Teeth on keyboards, and, of course, Animal on drums-FTP, these are the members of what musical group?

Dr. Teeth and the Electric Mayhem

His 1977 Clarinet Concerto is only such work to enter the American repertory in the last half of the 20th century. His acclaimed Symphony No. 1 of 1990, an elegy for friends who died from AIDS, is one of the most important orchestral pieces of the last decade. FTP, name this American composer whose opera The Ghost of Versailles was recently staged by the Met.

John Corigliano

This nation covers an area about twice the size of Washington DC and has a population of about 200,000, almost half of whom are under 15. It is predominantly Sunni Moslem, and its main language is Divehi, a Sinhalese dialect. FTP, name this nation of 19 atolls and over 1000 islands, most of which are uninhabited, located in the Indian Ocean, with its capital at Male.

Maldives

Electronic Sound, Extra Texture, Living in the Material World, 33 1/3, Dark Horse, All Things Must Pass, The Concert for Bangla Desh, and Cloud Nine-FTP, these are all albums by what musician?

George Harrison

This city bills itself as The Flour City: "flower" as in f-l-o-w-e-r,

because of its annual lilac festival, and "flour" as in f-l-o-u-r, because the city was a mill town on the Erie Canal. It's also called The Image Center of the World since it is the corporate headquarters for Bausch and Lomb and for Kodak. FTP, name this northeast city.

Rochester, NY

This quantity, usually expressed in electron-volts, can be measured experimentally by observing the spectrum of light emitted by excited atoms. It determines how easily an atom becomes a positive ion. FTP, name this quantity, defined as the energy required to remove one of the most loosely-bound electrons from a neutral atom.

ionization energy

Imagine an offense featuring Jay Buhner, Willie McGee, and Fred McGriff. Add to that a starting rotation of Jim Deshaies, Jose Rijo, Bob Tewksbury, and Doug Drabek, and you would have a pretty decent team. These players never played on the same team at at the same time, but they could have, because they were, FTP, all products of what team's minor-league system?

NY Yankees

A renowned magician and escape artist, he wrote the books Flim-Flam! and The Truth About Uri Geller. He recently won a MacArthur award for his work in investigating the paranormal and the occult. FTP, name this "amazing" man who since 1964 has offered a \$10,000 prize to anyone who can demonstrate paranormal abilities under controlled conditions.

James "The Amazing" Randi

He joined team Gan (pronounced "gone") team after his previous team's sponsors, a French children's clothing company, withdrew financial support. He started his pro career a decade ago with the French Renault team and has also been a member of the Dutch PDM and Belgian ADR teams. FTP, name this 1989 Sports Illustrated Sportsman of the Year.

Greg LeMond

His projects include Forbidden Fruit, a string quartet premiered by the Kronos Quartet; Spy vs Spy, a tribute to Ornette Coleman; News for Lulu, a trio with sax, guitar and trombone; and The Big Gundown, an album of spaghetti western movie scores. FTP, name this next-wave sax player, composer, and arranger, the leader of the band Naked City.

John Zorn

It's one of the few best-sellers to have a section entitled "The Classification and Anatomy of Arthropods". This influential book describes a new view of evolutionary biology inspired by a fossil bed in the Canadian Rockies in which were found many creatures that do not

fit into our current taxonomy. FTP, name this book subtitled "The Burgess Shale and the Nature of History" written by Stephen Jay Gould.

Wonderful Life

To serve and protect you better... to minimize the risk of disease transmitted by paper towel waste... this company has installed electric hand dryers. FTP, name this Chicago company.

World Dryer Company

His films include Secret Honor, a monologue by an actor portraying Richard Nixon, and 1980's Popeye, starring Robin Williams in the title role. His 1975 Nashville, a three-hour long epic, explored the lives of two dozen characters in the capital of country music. FTP, name this director better known for Short Cuts and The Player.

Robert Altman

This seminal and scandalous book is the day-by-day diary of a marginal relief pitcher with a team that existed for only one season, the 1969 expansion Seattle Pilots. Its depiction of an oft-hidden side of baseball life on the road, with its sex and drugs, led Commissioner Bowie Kuhn to call it "detrimental; to baseball." FTP, name this book, edited by Leonard Shecter from the tape-recorded musings of Jim Bouton.

Ball Four

Let's say we have a set of points in the plane, and we want to draw a figure that contains all of these points. There is a unique figure that has the smallest area of any figure containing all of these points. FTP, what is the 2-word nautical-sounding name given to this figure?

convex hull

This Sunday, Halloween, will be the 67th anniversary of his death. He was killed when a boxer punched him in the abdomen, rupturing his appendix. Although he spent much of his life exposing fraudulent seances, he vowed shortly before his death that he would contact his wife from beyond, and for many years she held a seance for him on Halloween. FTP, name this magician.

Harry Houdini

Tommasini, Merlin, Bottecchia, Kestrel, Colnago, Vitus, Cannondale, Specialized, and Trek: FTP, these companies all manufacture what type of vehicle?

bicycle (acc. bicycle frame)

His works include 2 violin concerti, 5 piano concerti, and a cello concerto. With his 15-minute first symphony (his first of 7), he

attempted to write a symphony as Handel might have written had he lived in the early 20th century. FTP, name this composer of Romeo and Juliet, The Love for Three Oranges, Lieutenant Kije, and Peter and the Wolf.

Sergei Prokofiev

In 1985, The New Republic said that he was "responsible for more concrete improvements in the society" than any other living American. Born in 1934, he attended Princeton, where he unsuccessfully tried to get the university to stop using DDT. He went on to Harvard Law School, where he published the article "American Cars: Designed for Death" in the Harvard Law Record. FTP, name this author of Unsafe at Any Speed.

Ralph Nader

It means "crazy life" or "life out of balance" in the Hopi language. FTP, what is this 5-syllable word, the title of the first of an as-yet unfinished trilogy by Godfrey Reggio of films with no plot, characters, or dialogue.

Koyaanisqatsi

A graduate of The University of Chicago with a degree in Philosophy, his books include the novel The Flight of Peter Fromm and annotated editions of The Rime of the Ancient Mariner, Casey at the Bat, and Alice in Wonderland. He has been a tireless promoter of popular science and is the author of Fads and Fallacies in the Name of Science and The Ambidextrous Universe. FTP, name this writer best known for his Mathematical Games columns in Scientific American.

Martin Gardner

Designed by architect Jorn Utzon and engineer Ove Arup, it was constructed over a 17-year period beginning in 1957. It is located at the tip of Bennelong Point and juts out into the harbor. Its most distinctive feature is its shell vaults, rising more than twenty stories, all of which are segments of a sphere. FTP, name this building, which houses a theater and a concert hall.

the Sydney Opera House

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BONI

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Under idealized conditions, if all individuals in a population have an equal chance of surviving and reproducing, then the frequency of each allele in the population should remain constant from generation to generation. F30P, this is the statement of what law named after its

two discoverers, a mathematician and a physician?

Hardy-Weinberg

This urban housing project was designed by Minoru Yamasaki, who would later design the World Trade Center. It won architectural awards when it opened in 1955, but it turned out that no one wanted to live there, and just 17 years later it was demolished. F30p, name this famous architectural fiasco erected in St. Louis.

Pruitt-Igoe

How well do you know your biological classification? I'll give you 6 animals; F5p@, give the phylum each belongs to.

- 1) earthworms
- 2) tapeworms
- 3) horseshoe crabs
- 4) sea anemones
- 5) humans
- 6) squids

- 1) annelida
- 2) platyhelminthes
- 3) arthropoda
- 4) coelenterata
- 5) chordata
- 6) mollusca

(accept English equivalents)

30-20-10. Name the mathematical function. Paper and pencil may help.

30) It is equal to one-half the quantity $[(e \text{ raised to the } ix) + (e \text{ raised to the } -ix)]$

20) It is equal to the sum over n ranging from 0 to infinity of $[(x \text{ raised to the } 2n) \text{ divided by } (2n \text{ factorial}) \text{ times } (-1 \text{ raised to the } n)]$

10) It is equal to the integral of $-\sin(x)$ with respect to x

cosine(x)

30-20-10. Name this statistical method.

30) It is a function given by the expected value of Y conditional on X

20) In matrix form, it can be expressed as $Y \text{ equals } X \text{ times } \text{Beta} \text{ plus } \text{Epsilon}$.

10) It involves fitting a straight line through a cloud of points.

regression

Ah yes, those were the good ol' days. Here's a bonus testing your knowledge of early 80's pop music. F5p@, I'll give you a song, you name the artist.

- 1) One Thing Leads to Another
- 2) I Ran
- 3) New Moon on Monday
- 4) Burning Up
- 5) Love is a Battlefield

6) Lawyers in Love

- 1) The Fixx
- 2) A Flock of Seagulls
- 3) Duran Duran
- 4) Madonna
- 5) Pat Benetar
- 6) Jackson Browne

Here's a bonus on Asian national capitals with a maximum of 30 points. There are 6 parts F5p@; one wrong answer and you'll receive zero points. After each part you can elect to stop and keep the points you've earned, or to continue at your own risk.

- 1) Taiwan
- 2) Vietnam
- 3) North Korea
- 4) Mongolia
- 5) Brunei
- 6) Bhutan

- 1) Taipei
- 2) Hanoi
- 3) Pyongyang
- 4) Ulaanbaatar
- 5) Bandar Seri Begawan
- 6) Thimphu

Are you a human calculator? Even if you're not, you should still have some basic number sense. F10p@, estimate the following quantities to the nearest integer:

- 1) the average of the numbers 1 through 11
- 2) the square root of 44
- 3) the natural log of 10

- 1) 6 (exact answer = 6)
- 1) 7 (exact answer = 6.6332)
- 1) 2 (exact answer = 2.3026)

You've almost certainly seen his artwork. He got his start as a New York City subway graffitist. He gained fame for his simple but vibrant human figures, such as those on the cover of the A Very Special Christmas records and in Absolut Vodka ads. F30p, name this artist and AIDS casualty best known for his image of the Radiant Child.

Keith Haring

The most distant object visible to the naked eye is a spiral galaxy 2.2 million light-years away, a sister to our own Milky Way.

- 1) This galaxy is often known by the name of the constellation in which it appears. F10p, name this constellation.
- 2) Astronomers often refer to the Andromeda galaxy by its Messier designation. F20p, give this designation consisting of a letter and two digits.

- 1) Andromeda
- 2) M31

This book details Henry Hill's life in the Mafia-from his childhood days of running cigarettes to the multimillion-dollar Lufthansa heist to his arrest and placement in the Witness Relocation Program.

- 1) F10p, name this book, whose title is slang for "mobster", on which the film GoodFellas was based.
- 2) F15p, name its author.

- 1) Wiseguy
- 2) Nicholas Pileggi

This Californian is one of the founding fathers of minimalism. His early work features mystical titles such as Shri Camel, Descending Moonshine Dervishes, and A Rainbow in Curved Air. Recently he's worked on string quartets, including the acclaimed Salome Dances for Peace. F30p, name this composer of the seminal piece In C.

Terry Riley

How well do you know your branches of biology? F5p@, give the terms for the study of the following subjects:

- 1) fungi
- 2) reptiles
- 3) fish
- 4) birds
- 5) cells
- 6) tissues

- 1) mycology
- 2) herpetology
- 3) ichthyology
- 4) ornithology
- 5) cytology
- 6) histology

Although you might never know it from listening to College Bowl and ACF questions, there are other modern architects besides Mies van der Rohe. F10p@, name these modern architects:

- 1) This postmodernist worked with Mies on the Seagram Building and is best known for the Chippendale pediment on his AT&T Building in New York.
- 2) He designed the National Holocaust Museum, to open later this year, and his Bank of China tower is the tallest building in the world outside the US.
- 3) His designs, such as the Pompidou Centre in Paris and the Lloyd's of London building, often place exposed structural elements on the exterior of the building.

- 1) Phillip Johnson
- 2) I. M. Pei
- 3) Richard Rogers

In the 1980s, three films with one-word titles won the Best Picture Oscar. Name them F5p@, and for an additional 5p@ give the years for which they won.

Gandhi 1982, Amadeus 1984, Platoon 1986 [note: Rain Man is 2 words]

Director of the psychology laboratory at the Sorbonne during the late 1800s and early 1900s, he was commissioned to develop a method for identifying children who had difficulty in school and would benefit from special education. His ideas were later adapted to more general purposes and became the basis for IQ testing. FTP, name this Frenchman.

Alfred Binet

Born in New York in 1923, this painter unveiled his 75-foot tall Mural with Blue Brushstroke in 1986. He's best known for his paintings of comic-book panels in the early 1960s. FTP, name this pop artist who shares his name with a tiny European nation.

Roy Lichtenstein

A key concept in this composer's works is that of two identical phrases repeating and going out of phase, an effect used in his seminal 1970's pieces Drumming and Music for 18 Musicians. A recent work, Different Trains, written for the Kronos Quartet, derives its melodies and rhythms from the taped voices of Holocaust survivors. F30p, name this composer who, along with Terry Riley and Philip Glass, is one of the founders of the minimalism.

Steve Reich

Among the films recently inducted into the Library of Congress's National Film Registry is a short from 1957. Directed by Chuck Jones, it compresses Wagner's Ring cycle into six minutes. F25p, name this short, remembered for the line "Kill the wabbit", which stars Bugs Bunny as Brunhilde.

What's Opera, Doc?

Here's a bonus on capitals of island nations with a maximum of 30 points. There are 6 parts F5p@; one wrong answer and you'll receive zero points. After each part you can elect to stop and keep the points you've earned, or to continue at your own risk.

- 1) Iceland
- 2) New Zealand
- 3) Haiti
- 4) Madagascar
- 5) Tuvalu
- 6) St. Kitts & Nevis

- 1) Reykjavik
- 2) Wellington
- 3) Port-au-Prince

- 4) Antananarivo or Tananarive
- 5) Funafuti
- 6) Basseterre

This book chronicles the lives and deaths of many touched by AIDS, from its beginnings as a mysterious "gay cancer", to the slow and unwilling recognition-by the medical establishment and by the gay community-that this was a disease of epidemic proportions.

- 1) F10P, name this book subtitled Politics, People, and the AIDS Epidemic.
- 2) F15p, name its author, a long-time San Francisco Chronicle journalist.

And the Band Played On, Randy Shilts

Anyone who's taken a physics class has probably seen footage of the spectacular oscillation and collapse of a bridge in high winds in Washington state in 1940.

- 1) F15p, the wind blowing across the bridge caused standing waves in the bridge that increased in amplitude until the bridge broke up. What physical principle does this illustrate?
- 2) F15p, name this unfortunate bridge.

resonance, Tacoma Narrows Bridge

Here's a bonus on a girl's best friend:

- 1) F5p, 97% of the world's diamonds are mined on which continent? Diamonds are often mined from deposits of cooled magma carried to the surface during volcanic eruptions. These deposits contain a bluish rock seeded with diamonds.
- 2) F10p, name these shaft-like deposits.
- 3) F15p, name the bluish rock named after the South African city near which diamond pipes were discovered in the 1870's.

Africa, diamond pipes, kimberlite

Name these contributors to evolutionary biology F30p max.

- 1) F5p@, name the two men who proposed "Punctuated Equilibria: An Alternative to Phyletic Gradualism" in 1972.
- 2) F10p, this Oxford zoologist is known for his colorful metaphors, such as evolutionary arms races and selfish genes, which can be found in his books The Blind Watchmaker and The Selfish Gene.
- 3) F10p, his Neutral Theory of Molecular Evolution has been one of the most important contributions to the field in the last decade.

- 1) Niles Eldredge, Stephen Jay Gould
- 2) Richard Dawkins
- 3) Motoo Kimura

Only three American cyclists have ever won stages of the Tour de France. Name them F10p@ from the following clues:

- 1) The first to win a stage, this cyclist and husband of Connie Carpenter won a stage for the 7-11 team.
- 2) His stunning time trial victory on the final day won him the 1989

Tour by 8 seconds, the narrowest margin of victory ever.

3) This Motorola rider's win on the prestigious Alpe D'Huez climb in 1992 was the first ever American victory in a mountain stage.

- 1) Davis Phinney
- 2) Greg LeMond
- 3) Andy Hampsten

There are 3 grips commonly used in competitive table tennis. F10p@:

- 1) Which grip commonly used by Americans and Europeans involves extending the index finger?
- 2) Which grip commonly used by Asians involves gripping the paddle as one would grip a writing implement?
- 3) This grip is named for its inventor, the longtime dean of US table tennis and dominant US player of the 1970's and 80's.

- 1) shakehands
- 2) penhold
- 3) Seemiller grip

How much do you remember about the Golden Age of music: the early 80's? Identify these 3 early 80's groups after the lead singer F10p, or after a hit song F5p. You may guess after each clue.

- 1) lead singer: Mike Score
song: "Space Age Love Song"
- 2) Kevin Rowland
"Come On Eileen"
- 3) Mike Reno
"Workin' for the Weekend"

- 1) A Flock of Seagulls
- 2) Dexy's Midnight Runners
- 3) Loverboy

Here's a 25p bonus on that prolific songwriter, Ringo Starr. Of all the Beatles's songs, only two were written by Ringo Starr.

- 1) F5p, Ringo's songs are credited to him under what name?
- 2) F10p@, name Ringo's two songs. If you answer incorrectly, I'll give you the albums they appear on F5p@ [albums: The Beatles (The White Album), Abbey Road]

- 1) Richard Starkey
- 2) Don't Pass Me By, Octopus's Garden

It's time for your do-or-die world capitals question. There are 6 parts F5p@; one wrong answer and you receive zero points. After each part you can elect to stop and keep the points you've earned, or to continue at your own risk. F5P@, give the nations or other divisions of which these cities are the capitals:

- 1) Charleston
- 2) Ulaanbaatar
- 3) Charlottetown
- 4) Sydney
- 5) Mmabatho

6) Port Louis

- 1) West Virginia
- 2) Mongolia
- 3) Prince Edward Island
- 4) New South Wales
- 5) Bophuthatswana
- 6) Mauritius

F5P@, give the tallest buildings or free-standing structures in each of the following:

- 1) New York City
- 2) Boston
- 3) Little Rock
- 4) San Francisco
- 5) North America
- 6) Asia

- 1) World Trade Center
- 2) John Hancock Tower
- 3) TCBY Towers
- 4) Transamerica Pyramid
- 5) CN Tower
- 6) Bank of China

Given the 6 following Muppet or Sesame Street characters, F5P@, indicate which 3 pairs were performed by the same people. F5P@ more, name the performer.

Big Bird, Ernie, Bert, Oscar the Grouch, Miss Piggy, Kermit

Big Bird and Oscar: Carol Spinney
Ernie and Kermit: Jim Henson
Bert and Piggy: Frank Oz

This nation has about 350,000 people-mostly Italians, Arabs, and French- in an area about twice the size of Washington, DC. It has been ruled by Phoenicians, Romans, Arabs, Normans, France, and the UK, and gained its independence in 1964. F25P, name this nation whose main industries are tourism and textiles and whose unit of currency is the pound.

Malta

Simulate earth's early atmosphere by mixing methane, ammonia, hydrogen sulfide, and water in a flask. Add electrical charges to simulate lightning, and voila, you have a recipe for creating life-or at least the beginnings of organic molecules.

- 1) F15P, such experiments investigating the origin of life were first performed in the 1950s by what then-graduate student?
- 2) F15P, Stanley Miller was working under what Nobel-winning chemist?

- 1) Stanley Miller
- 2) Harold Urey

It was America's first breakfast food, invented in the 1860's by James Caleb Jackson for the patients at his Our Home on the Hillside sanitarium in Dansville, NY. It was originally made by baking sheets of Graham flour, crumbling them, and then baking them again. You were supposed to prepare it by filling a glass 1/3 full, topping it with milk, and leaving in an icebox overnight. Later, John Kellogg added cornmeal and oats. F20P, what is this food?

granola

James Bond films have produced many unforgettable theme songs. F5p@, who sang the following theme songs:

- 1) Live and Let Die
- 2) Goldfinger
- 3) A View to a Kill
- 4) Thunderball
- 5) The Spy Who Loved Me
- 6) Living Daylights

- 1) Paul McCartney and Wings (acc. either)
- 2) Shirley Bassey
- 3) Duran Duran
- 4) Tom Jones
- 5) Carly Simon
- 6) a-ha

How well do you know your flags?

- 1) The flags of most African nations contain red, yellow, and green, but this nation's flag consists solely of horizontal bands of light blue, white, and black. F10p, name it.
- 2) The flags of these two countries are almost identical, differing only in size. Each flag is divided into two horizontal bands, the top one red and the bottom one white. F5p@, name these two nations.
- 3) The flag of this nation is the same as that of Monaco and Indonesia except that the order of colors is reversed. F10p, name it.

- 1) Botswana
- 2) Monaco, Indonesia
- 3) Poland

We all heard about John Olerud's chase for .400, but less publicized was Barry Bonds flirtation with a .700 slugging average. Bonds finished at .677, a much rarer accomplishment than Olerud's .368 batting average. F5p@, tell me whether or not each of the following players ever slugged better than .700 in a full season:

- 1) Lou Gehrig
- 2) Joe Di Maggio
- 3) Ted Williams
- 4) Ralph Kiner
- 5) Willie Mays
- 6) Hank Aaron

- 1) yes (3 times)
- 2) no (best was .673)

- 3) yes (twice)
- 4) no (best was .658)
- 5) no (best was .667)
- 6) no (best was .669)

30-20-10. Name the poet.

- 30) "Black Rook in Rainy Weather", "Morning Song"
- 20) "The Colossus", "Tulips"
- 10) "Lady Lazarus", "Daddy"

Sylvia Plath

Here's a question on tall structures and buildings:

- 1) F5p, what is the tallest free-standing structure in the world?
- 2) The Ostankino tower, the 2nd-tallest free-standing structure in the world, is only 50 feet shorter than the CN Tower and more than 300 feet taller than the Sears Tower. F15p, near what city is Ostankino located?
- 3) The Sears Tower is the tallest building in the world when considering rooftop height. F10p, what is the tallest building in the world if we include the height of rooftop antennae or masts?

- 1) the CN Tower
- 2) Moscow
- 3) World Trade Center

Time for a question on a true classic of American literature, Bloom County. F5p@, name this Bloom County females:

- 1) the liberated schoolteacher who spurned Steve Dallas
- 2) the radical feminist who started reading *Our Bodies, Ourselves* during a date with Opus
- 3) the Deadhead and sculptor who was Opus's would-be fiance
- 4) the secret female who pretended to be male but later had children with Hodgepodge

- 1) Bobbi Harlow
- 2) Alf Mushpie
- 3) Lola Granola
- 4) Rosebud

If you saw or read *The Right Stuff*, you should know the seven original Mercury astronauts. Of course everyone knows John Glenn, but you'll receive 5p@ for each of the other 6 you name.

Scott Carpenter, Gordon Cooper, Gus Grissom, Wally Schirra, Alan Shepard, Deke Slayton

Time for the do-or-die African capitals bonus. There are 6 parts F5p@; one wrong answer and you'll receive zero points. After each part you can elect to stop and keep the points you've earned, or to continue at your own risk.

- 1) Senegal
- 2) Morocco
- 3) Congo

- 4) Rwanda
- 5) Swaziland
- 6) Comoros

- 1) Dakar
- 2) Rabat
- 3) Brazzaville
- 4) Kigali
- 5) Mbabane
- 6) Moroni

Most national flags are composed solely of graphic elements, but a few national flags have text on them. F10p@, given the text, name the flag. Note that the text may appear on the flag in a language other than English.

- 1) the capital letter "R"
- 2) the phrase "Order and Progress"
- 3) Which flag has an entire sentence on it?

- 1) Rwanda
- 2) Brasil
- 3) Saudi Arabia